

From owner-qrp-1@netcom.com Thu Jan 19 07:23:53 1995
From: Rick=Covert%TS=SysCall%CS=Hou@bangate.compaq.com
Message-Id: <m0rUjr0-000uH9C@twisto.eng.hou.compaq.com>
Date: Wed, 18 Jan 95 17:24:31 CST
Subject: 40 meter conversion for the Radiokit 75 M LSB Xceiver

I recently purchased a Radiokit 75 M LSB transceiver. I want to adapt it to 40 M LSB. The Local oscillator tunes from 5.0 to 5.2 MHz. The IF is 9 MHz. So as you can see it would be simple to convert it to 20 M USB. My question is which would be better, mixing a fixed frequency thought a diode ring mixer to produce the 2 MHz VFO signal needed to use 40 M LSB or just changing the VFO frequency to 2 MHz? Any suggestions?

Rick,

WD5L

From owner-qrp-1@netcom.com Thu Jan 19 23:41:04 1995
From: Rick=Covert%TS=SysCall%CS=Hou@bangate.compaq.com
Message-Id: <m0rV89R-000uHWC@twisto.eng.hou.compaq.com>
Date: Thu, 19 Jan 95 19:24:53 CST
Subject: Re: 40 meter conversion for the Radiokit 75 M LSB Xceiver

Alan,

I think you have it backwards. 3.8 to 4 MHz is the operating frequency, 5.0 to 5.2 Mhz is the VFO frequency and 9 MHz is the IF frequency.

Rick,

WD5L

Alan Kaul <kaul@netcom.com> Wrote:

|
|
| Rick.... a couple of things to remember about the conversion.
| Since the
| 9mHz mixer heterodynes down to 3.8 mHz to get LSB, you could also
| mix a 2
| mHz VFO with 9mHz and subtract to get 40m. Or, if you wanted to
| build a
| transverter, the one scheme that would work would be 3.8 mHz LSB

with another mixing stage which combines a heterodyne oscillator operating at 3.4 MHz to get up to 7.2MHz LSB.

In some ways, building a transverter is the simpler of the solutions -- because it does not alter the basic radio (except you must reduce the power output in order to safely mix at low power levels). If you choose to change the local oscillator frequency to 2 mHz, then you must also change the xtal filter in order to get the correct mix, providing LSB signals on 7.2, and also change the BFO in the receiver, and the RF input of the receiver and any RF stages in the the transmitter.

Good luck, 72 de alan

[<Alan Kaul, W6RCL>] kaul@netcom.com

From owner-qrp-l@netcom.com Thu Jan 19 07:31:21 1995
From: ab4el@cybernetics.net (Stephen Modena)
Message-Id: <9501182314.AA16327@cybernetics.net>
Subject: Durham, NC - 11 Feb - Comm'l Radio Op Lic Exams
Date: Wed, 18 Jan 1995 18:14:20 -0500 (EST)

Commercial Radio Operator License Examinations:

Durham, NC - - 11 February 95 - - 9:30 a.m.
SW Branch of Durham Public Library: 3605 Shannon Road

Steve Modena AB4EL (919) 787-7618
or Terry Murphy AB4VJ (919) 494-2088

How To Get There:

Talk-in: we will listen for this Durham repeater: 144.85/145.45

These instructions work if you approach South Square Mall
via 15-501 BYPASS.

You are in the vicinity of South Square when you can see the
lone skyscraper with the "needle" tower.

Whether you are coming from I-40, headed north on 15-501 BYPASS...
or coming from I-85, headed south on 15-501 BYPASS, there will be
a sign indicating "Keep Left for 15-501 BUSINESS -- South Square."

Exiting from either direction of 15-501 BYPASS leads to the same spot.

Passing under an overpass, there is a traffic light at a cross road
named "Westgate"...and the Lone Star restaurant is ahead at 2 o'clock.

Go straight ahead.

Midway to the next traffic light, there is a sign: "Next right to
Auto Drive." At the light, there is a big Circuit City store is on
the left...and the only turn possible is to the right, onto Shannon Road.

Turn right at this light.

The first traffic light on Shannon Rd. is at Auto Drive and
you are in the midst of South Square mall: continue straight ahead.

The next traffic light on Shannon Rd. is the 3900 block of
University Drive: go straight ahead.

After passing the Shannon Manor apartment complex, the next intersection
has a stop sign and is called "MLK Jr.": go straight ahead.

Heading up a small hill and reaching the crest just before the curve,
you are looking straight at the Durham Library--Southwest Branch...
a brick building set on the left side of and below the level of the road.

The exam site address is 3605 Shannon Road.

The exam room is visible through a very large window to the right of
the building entrance. Commercial Radio Operator License Examinations

Durham, NC - - 11 February 95 - - 9:30 a.m.
SW Branch of Durham Public Library: 3605 Shannon Road

Walk-ins are welcome, but seating is limited.
For more info or to reserve an exam seat, contact:
Steve Modena (919) 787-7618

or Terry Murphy (919) 494-2088

Licenses Attainable:

Marine Radio Operator Permit - - Element 1
General Radiotelephone Operator - - Elements 1 & 3
GMDSS Radio Maintainer - - Elements 1, 3 & 9
GMDSS Radio Operator - - Elements 1 & 7
Ship Radar Endorsement - - Element 8
3rd Class Radiotelegraph Operator's Certificate--Elements 1, 5, T1 & T2
2nd Class Radiotelegraph Operator's Certificate--Elements 1, 5, 6, T1 & T2
1st Class Radiotelegraph Operator's Certificate--Elements 1, 5, 6, T3 & T4

Who is offering it: W5YI-affiliated NATIONAL RADIO EXAMINERS in N.C.

What will be offered: Examinations on elements 1, 3, 5, 6, 7, 8, 9.
Contact us before hand about Code Elements--credit for elements T1 & T2
is granted to Amateur Extra Class License holders who passed their
20 WPM test.

What to bring:

Two forms of positive personal ID
Your extended ZIP code: xxxxx-XXXX
CASH for the examination fee
Personal check or credit card for FCC fees (if any)
Hand calculator (optional)
Code credit via Extra Class License requires showing original license
and a copy of it
Radiotelegraph license application requires two (2) photos--call us
about requirements
Good preparation and a relaxed mind

WARNING: Anything that even resembles cheating or an attempt to cheat
will be reported *directly* to the FCC, as per regulations

How We Operate:

1. Any or all of the currently offered written elements available may be taken.
2. Elements may be taken in any order
3. The amount of time allowed for the examination session will be reasonable, but not unlimited.
4. We reserve the unequivocal right to limit seating:
first come, first served!

5. If you fail an element, there will no opportunity to retry that element during the same session.
6. Each element passed successfully will be recorded on a Proof-of-Passing Certificate.
7. If you qualify for a license, you may prepare an FCC Form 756, or defer until a later time.
8. We will file the license application for you, or you may opt to file for yourself.
9. We recognise Proof-of-Passing Certificates from other W5YI groups and from other authorized testing organizations. However, we will file for a license on your behalf only if at least one of your needed PPCs was obtained during the current examination session.
10. Fees charged for the examinations themselves, payable in cash, follow this NRE rule:

"At this time, NRE requires a fixed \$35 fee from each candidate for the administration of any and all examination elements required for each commercial license per sitting. If any elements are failed, no license which required the failed element would be issued and the applicant would have to schedule another exam session and pay another fee to obtain the desired license."

11. Certain licenses are subject to a FCC Regulatory Fee:

Marine Radio Operator Permit: \$35.00 (5 year term)
General Radio Operator License: no fee (lifetime)
GMDSS Operator (alone): \$35.00 (5 year term)
GMDSS Mainainer (alone): \$35.00 (5 year term)
GMDSS Operator/Maintainer (issued as combo): \$35.00 (5 year term)
Ship Radar Endorsement: no fee (5 year term)
3rd Class Radiotelegraph: \$35.00 (5 year term)
2nd Class Radiotelegraph: \$35.00 (5 year term)
1st Class Radiotelegraph: \$35.00 (5 year term)

12. There are two options for paying any required FCC Regulatory Fee:
 - a. Personal or bank check or money order, payable to the "Federal Communications Commission"
 - b. Completion of a FCC Remittance Advice-FCC Form 159 for payment by credit card.
13. We are absolutely obligated to be certain that you are who you say

you are--and not a "ringer" standing in for you. Make sure that the identification that you present will pass muster--otherwise you will not be allowed to sit for an examination. If you have any doubt about what will be a suitable combination of ID documents, feel free to telephone us and discuss it.

* * Latest Status on Radiotelegraph Code Examination * *

As per telephone conversation with NRE-W5YI on Friday 07 October 1994, the software for generating the required format and content style is not ready. The FCC is yet to issue the guidelines...the messages (presumably the clear text exams) are to be similar to messages encountered in the service. If the timeliness of taking a code examination is of critical interest to you, call and alert us of your need so that we can contact you about any change in this situation.

--

de Steve Modena NRE Test Center Manager ab4el@Cybernetics.NET

From owner-qrp-1@netcom.com Thu Jan 19 14:04:25 1995
Date: Thu, 19 Jan 1995 11:01:37 -0500 (EST)
From: Wynn C C <wyn@stc06.CTD.ORNL.GOV>
Subject: RE: Durham, NC - 11 Feb - Comm'l Radio OP Lic...
Message-Id: <Pine.OSF.3.91.950119105617.18669A-100000@stc06.CTD.ORNL.GOV>

Wow, is this a SPAM, a W5YI commercial or what?
7,372 bytes and not one word related to QRP. What gives?
Chuck, help!!!!, where is that FAQ file????

72/73,
Clay N4AOX
wyn@ornl.gov

From owner-qrp-1@netcom.com Thu Jan 19 15:52:10 1995
From: jwp@chemical-eng.edinburgh.ac.uk
Date: Thu, 19 Jan 95 12:18:32 GMT
Message-Id: <17653.9501191218@aith.chemeng.ed.ac.uk.chemeng.ed.ac.uk>
Subject: Re: epiphyte: 4.19 mhz resona

I didn't answer this before because I was sure someone else would...

RS Components only deal directly with account customers. They do have a retail subsidiary called Electromail, who will take credit card orders.

Their numbers are:

(UK) 1536 204 555 (phone)
1536 405 555 (fax).

I've never dealt with Electromail as we have an RS account, but I think it's exactly the same catalogue, though prices are probably a bit higher.

72/3 de Jack gm0rwu

From owner-qrp-l@netcom.com Thu Jan 19 16:35:53 1995
From: tavan@tss.com
Message-Id: <9501191637.AA13692@tekbspa.tss.com>
Subject: For Sale: NC40, A&A-K9AY
Date: Thu, 19 Jan 95 08:41:00 -0800

Too many QRP rigs in the shack! For sale:

NorCal 40 - \$100 or make offer
A&A Eng'g. K9AY 20m with built-in CMOS II Keyer - \$125 o.m.o.
(Separate keyer output allows use as a station keyer, too)

Both rigs are built and QSO-tested over 1000 miles/watt.

/Rick Tavan N6XI
tavan@tss.com

From owner-qrp-l@netcom.com Thu Jan 19 03:40:52 1995
Date: Wed, 18 Jan 1995 20:12:19 -0500
From: "James D. Wharton" <jwharton@TSO.UC.EDU>
Message-Id: <199501190112.UAA19767@tso2.tso.uc.edu>
Subject: Fox Hunt

Can someone please post information regarding Fox Hunts for a new net surfer.
What are they?
When are they?
Power limits?

Thanks
Jim Wharton
WD8JCR

From owner-qrp-l@netcom.com Thu Jan 19 23:10:57 1995
Date: Thu, 19 Jan 1995 16:58:47 -0600 (CST)
From: Adrian Weiss W0RSP English Department <AWEISS@charlie.usd.edu>
Message-Id: <950119165847.3827@charlie.usd.edu>
Subject: FTP SITE: PKZ204G.EXE

Hi gang:

I missed the beginning of the HAMCALC9.ZIP thread and want to know where to find it.

Thanks to all who are currently posting info as to how to arrange the sub-dirs etc.

For the query about the source of PKZ204G.EXE, I repeat the source that was posted here a couple of days ago. Use anonymous ftp to

"mv.mv.com"

cd /pub/ddj/packages

contains the zip package. ABout 220K. Don't forget to set the mode to binary at the prompt before you GET the file.

Ade W0RSP

From owner-qrp-l@netcom.com Thu Jan 19 01:29:35 1995

From: ddoyle@arinc.com

Message-Id: <199501182316.AA09076@interlock.arinc.com>

Date: Wed, 18 Jan 95 16:50:40 EST

Subject: Re: Hamcalc9

Gregory,

I too have downloaded the Hamcalc9 set of programs and you are right. The -d option MUST be used when unZipping this file! I have taken a very quick look at the code and the programs are pretty well tied to this directory structure. One solution is to use the MS-DOS SUBST command and assign a virtual drive letter to the directory you want to put these programs into. Then you wouldn't have to put it in your root directory. You could then use a batch file to execute the SUBST command, then the Hamcalc9 menu (be sure and 'call' his batch file) then use SUBST to delete the newly added drive letter. For example, your batch file might look like this:

REM

REM This batch file would go into a directory that is in your path.

REM First substitute a drive letter for the path that the Hamcalc9

REM programs are in, in this case 'H:'.

REM

SUBST H: C:\HAMCALC

H:

REM

REM Call the Hamcalc startup batch file. It is very important to

REM 'CALL' a batch file from another batch file in order for DOS

REM to return to the original batch file.

REM

CALL VE3ERP.BAT


```
REM
REM Now delete the Substituted drive 'H:'
REM
      SUBST H: /D
REM
REM The end, back to DOS we go...
REM
```

All the comment above make the batch file look very 'busy' but if you delete them then it is really quite simple. The several programs that I have tried seem to be very fast for BASIC. It is an impressive suite of utilities.

Enjoy...
72 - Don, KC5EQC

From owner-qrp-1@netcom.com Thu Jan 19 12:48:56 1995
Date: Thu, 19 Jan 1995 10:17:00 -0500
From: "david (d.) burniston" <davidgb@bnr.ca>
Message-Id: <"23325 Thu Jan 19 10:18:14 1995"@bnr.ca>
Subject: Re: Hamcalc9

```
>/BAS and /HAMCALC directories are created when HAMCALC9 is unzipped.
The
>BASIC programs expect those to be present and you would have to do a
lot
>of editing to change that.
>
>Jim VE2KN
```

NOS is similar and we overcame it in the following manner...

for example...

make a directory called HAM and put /BAS and /HAMCALC as subdirectories.

In the config.sys file add LASTDRIVE=G

In the autoexec.bat add subst G: c:\HAM

This will create a virtual drive called g: that will have c:/HAM appear to the system as g:/ or a root directory.

This worked for NOS and may solve the problem.

I don't have my manual in front of me and it has been a while... the parameters for the subst command may go the other way around.

... Dave

=====

Dave Burniston,	Bell Northern Research	Ottawa, ON Canada
ph.(613) 765-3579	email: davidgb@bnr.ca	
NORCAL 434		

QRP - DOING MORE WITH LESS de VE3LF0/qrp

All opinions are my own and do not necessarily reflect the views of my employer, co-workers or any other person, real or imaginary.

=====

From owner-qrp-1@netcom.com Thu Jan 19 19:57:10 1995
From: ddoyle@arinc.com
Message-Id: <199501191859.AA09013@interlock.arinc.com>
Date: Thu, 19 Jan 95 11:48:38 EST
Subject: hamcalc9 ftp location

Apparently there are several who missed the earlier posting of the FTP location for HAMCALC9.ZIP. I'm sure there will be other postings in response so please forgive the wasted bandwidth if other respond. There was a little blurb in the Jan QST which is where I got my information but I couldn't find it exactly where the article said. Here is where I found it.

ftp site is: oak.oakland.edu

directory is: pub/hamradio/arrl/qst-binaries

72/73 de Don, kc5eqc

From owner-qrp-1@netcom.com Thu Jan 19 01:14:47 1995
Date: Wed, 18 Jan 1995 17:43:04 +0000
From: Chris Doherty <doherty@lydian.scranton.com>
Subject: Re: hamcalc9.zip
Message-Id: <Pine.3.89.9501181743.C12595-0100000@lydian.scranton.com>

On Tue, 17 Jan 1995 CEBIK@utkvtx.utk.edu wrote:

> Just ftp'd hamcalc9. Tried to PKUNZIP it with my 1989 version of PK. Only
> got 3 files, with uniform error message: don't know how to handle
> |filename.ext|. FIXED the package, with the same results (meaning, I
> presume, here were no errors detected. Hence, I am guessing my PK software
> is unbelievably old and a newer version is needed. Is there a quick
> source over at OAK or some other convenient site for FTP. The HAMCALC9
> filenames look interesting as they whizz by on the screen, so any help
> appreciated.
>
> -73-
> LB, W4RNL
> cebik@utkvtx.utk.edu

You need the latest version of pkunzip to process hamcalc9. The version is pkzip204.exe. I don't remember where I got it, but Archie will locate it for you. Hamcalc has a directory structure that requires the new pkunzip to process. I find it to be a handy little program.

-73-

Chris Doherty (no ticket yet, still studying cw. I'm taking the novice route)
doherty@lydian.scranton.com

From owner-qrp-l@netcom.com Thu Jan 19 08:25:15 1995
Message-Id: <MAILQUEUE-101.950119112858.448@fs1-kfih.azr.nl>
From: "Joop Stakenborg : P A 3 A B A" <stakenborg@hyph.azr.nl>
Date: Thu, 19 Jan 1995 11:28:58 CET
Subject: hamcalc9.zip WHERE?

On which site can I find hamcalc9.zip?

Joop, PA3ABA

From owner-qrp-l@netcom.com Thu Jan 19 02:36:25 1995
From: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org (Mike Czuhajewski)
Subject: Re Jan QRP Quarterly
Date: Wed, 18 Jan 95 23:44:10 EST5EDT
Message-Id: <1995Jan18.234410.17147@wb3ffv.ampr.org>

Argh...."they" did it again. The picture of me at the top of the Idea Exchange was badly cropped, and doesn't make a whole lot of sense, wearing the nose-and-eyeglasses disguise. I guess I didn't make it clear when I sent in the photo. Background--KI6SN always has his pix at the top of the Member News column--he sends the entire thing in on camera-ready copy. I finally decided that I should have my pix at the top of my column too, so dug out an old print that was in the QRP Q a long time ago. I thought I made it clear that the whole thing was to be used, but there was a misunderstanding somewhere and they used just

the head. Here's the rest of the story--the WHOLE picture shows me, a known QRPer, working on a linear amplifier, wearing the disguise to protect my reputation. (I know, I know, _real QRPers_ don't work part time at ham radio stores fixing things like linear amps...and for about a year now I don't work part time at the ham store--my Day Job, with odd overtime duties at times, doesn't allow it any more, so now I once again have a clear conscience as a QRPer :-)

73 and Queue Our Pea
DE WA8MCQ

--

Mike Czuhajewski, user of the UniBoard System @ wb3ffv.ampr.org
E-Mail: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org
The WB3FFV Amateur Radio BBS - Located in Baltimore, Maryland USA
Supporting the Amateur Radio Hobby, and TCP/IP InterNetworking

From owner-qrp-l@netcom.com Thu Jan 19 08:11:34 1995
From: PDouglas12@aol.com
Date: Wed, 18 Jan 1995 11:19:18 -0500
Message-Id: <950118111917_5149294@aol.com>
Subject: Keyer covers

From owner-qrp-l@netcom.com Thu Jan 19 02:15:35 1995
Message-Id: <9501190305.AA08444@interval.interval.com>
Date: Wed, 18 Jan 1995 19:07:15 -0800
From: burdick@interval.com (Wayne Burdick)
Subject: NorCal 40 A: It's Alive!

Things are looking good for the NorCal 40A. I got the boards, summoned the courage to peek at it at arms' length, and--whoa!--Davila comes through again! These boards are the best I've ever seen. I spec'ed green silkscreen this time and put the ground plane on the top where it belongs, so this board looks a little more conventional than the Sierra main board.

So anyway, I took the boards home and immediately built the first NC40A production unit. Worked first time, NO cuts or jumpers--a first!

Picked up a prototype of the custom case the next day, and I had the finished unit in hand for the summit meeting at Two Guys from Italy.

We've gotten all of the small parts in and should have 200 NC40A component kits in about two weeks, so the bottom line is that the NC40As will all probably get shipped in early February. Remember to send your front and rear panels to Stan Cooper (his address is in the manual) to get silkscreened gratis.

Still some 40 kits left; call Jim Cates at 916-487-3580.

If anyone has trouble, you know where to find me. Just try to put the

parts in the right place because unsoldering from double-sided, plated-through boards is worse than roadkill detail!

73,
Wayne

From owner-qrp-l@netcom.com Thu Jan 19 20:29:24 1995
From: PeterWK8S@aol.com
Date: Thu, 19 Jan 1995 14:35:24 -0500
Message-Id: <950119110619_6434844@aol.com>
Subject: NorCal 40 KIT for Sale!!

I probably have the last of the original NorCal 40 kits. UNBUILT!!! This kit is unopened. The case has been painted and silk screened. It is ready for a new home as I have a NorCal 40A on order so I want to share this "classic" with another QRPer. I am including all the mods that have been printed in the QRPP journals.

I am asking \$110 delivered priority within continental U.S.

email me if you're seriously interested at
PeterWK8S@aol.com

From owner-qrp-l@netcom.com Thu Jan 19 02:03:59 1995
Message-Id: <199501182248.QAA01311@ns1.arlut.utexas.edu>
Date: 18 Jan 1995 16:45:40 U
From: "rohre" <rohre@msmailgw1.arlut.utexas.edu>
Subject: RE: Novice Round-Up

Well.....Actually, you would take a 20 meter rig, and with the Ten Tec transverter kit, you could get to 6 meters. I have a brand new one I am going to build up one of these days, soon I hope, and will report on, here. The manual is excellent, and the kit looks good.

-Stuart K5KVH
rohre@arlut.utexas.edu

To: QRP-L@netcom.com
Cc: Byron8LCZ@aol.com; lhalliday@creo.bc.ca
>From: Michael S. Dooley on Wed, Jan 18, 1995 16:15
Subject: Re: Novice Round-Up
RFC Header:Received: by msmailgw1.arlut.utexas.edu with SMTP;18 Jan 1995 16:15:21 U
Received: from netcom16.netcom.com (root@netcom16.netcom.com [192.100.81.129]) by ns1.arlut.utexas.edu (8.6.9/8.6.9) with ESMTP id QAA00235 for <rohre@arlut.utexas.edu>; Wed, 18 Jan 1995 16:14:48 -0600
Received: by netcom16.netcom.com (8.6.9/Netcom)

id HAA07306; Wed, 18 Jan 1995 07:37:17 -0800
Received: from aud.alcatel.com by netcom16.netcom.com (8.6.9/Netcom)
id HAA07297; Wed, 18 Jan 1995 07:37:15 -0800
Received: from collie.aud.alcatel.com by aud.alcatel.com (4.1/SMI-4.1)
id AA00512; Wed, 18 Jan 95 09:36:48 CST
Received: by collie.aud.alcatel.com (4.1/SMI-4.1)
id AA11623; Wed, 18 Jan 95 09:36:44 CST
Date: Wed, 18 Jan 95 09:36:44 CST
>From: msdooley@collie.aud.alcatel.com (Michael S. Dooley)
Message-Id: <9501181536.AA11623@collie.aud.alcatel.com>
To: QRP-L@netcom.com
Subject: Re: Novice Round-Up
Cc: Byron8LCZ@aol.com, lhalliday@creo.bc.ca
Sender: owner-qrp-l@netcom.com
Precedence: list

myers@bigboy73.West.Sun.COM writes:

[snip]

> I dunno. Maybe we could have a "Technician Roundup". It could be used
> to stimulate non-FM activity on 2m and 70cm, and could introduce a
> whole bunch o'folks to 6m CW/SSB. 6m is low enough in frequency
> that people can still homebrew with expectation of success, though
> you have to be a little more careful than at 3.58MHz.

[snip]

HHHMmmmmmm. Wonder how hard it would be to take a 40-40 and put it on 6 meters?
Mike KE4PC

From owner-qrp-l@netcom.com Thu Jan 19 13:09:20 1995
From: jwp@chemical-eng.edinburgh.ac.uk
Date: Thu, 19 Jan 95 12:09:22 GMT
Message-Id: <17647.9501191209@aith.chemeng.ed.ac.uk.chemeng.ed.ac.uk>
Subject: Re: Novice Round-Up

----- Begin Included Message -----

>From owner-qrp-l@netcom.com Wed Jan 18 22:22:42 1995
Date: Wed, 18 Jan 95 09:36:44 CST
>From: msdooley@collie.aud.alcatel.com (Michael S. Dooley)
Mike wrote..

HHHMmmmmmm. Wonder how hard it would be to take a 40-40 and put it on 6 meters?
Mike KE4PC

----- End Included Message -----

There have been a number of qrp designs for 6m published in the UK, including an AM transceiver using a BC radio chip. There is also a single 602 receive converter design somewhere. Two/three transistor CW transmitters should work OK, although fundamental crystals would have to be specially ordered, and so would come expensive. However, the 5th harmonic of a 10MHz ceramic resonator should be stretchable over a useful portion of the band for well under \$1. And I've sometimes wondered what you could do if you recrystalled a Radio Shack (Tandy in the UK) 49MHz FM 'walki-talkie' and fed its 10mw to a 10 element yagi during a good lift. (You could take the mike out and key it too!)

Hmmmm....

72/3 de Jack gm0rwu

From owner-qrp-1@netcom.com Thu Jan 19 13:37:40 1995
Date: Thu, 19 Jan 95 09:00:10 CST
From: msdooley@collie.aud.alcatel.com (Michael S. Dooley)
Message-Id: <9501191500.AA12632@collie.aud.alcatel.com>
Subject: Re: Novice Round-Up

> Date: Wed, 18 Jan 95 09:36:44 CST
> From: msdooley@collie.aud.alcatel.com (Michael S. Dooley)
> Mike wrote..
>
> HHHMmmmmmm. Wonder how hard it would be to take a 40-40 and put it on 6 meters?
> Mike KE4PC
>
[snip]
> From: jwp@chemical-eng.edinburgh.ac.uk
> Date: Thu, 19 Jan 95 12:09:22 GMT
> Jack wrote
> And I've sometimes wondered what
> you could do if you recrystalled a Radio Shack (Tandy in the UK) 49MHz FM
> 'walki-talkie' and fed its 10mw to a 10 element yagi during a good lift.
> (You could take the mike out and key it too!)
> Hmmmm....
>
> 72/3 de Jack gm0rwu
>
Hey! the Tandy 49Mhz HT... That is a good idea! I'll have to start watching for one at the flea markets.
Mike KE4PC

From owner-qrp-1@netcom.com Thu Jan 19 17:07:20 1995
Date: Thu, 19 Jan 1995 10:48:14 -0800
From: myers@bigboy73.West.Sun.COM (Dana Myers)
Message-Id: <9501191848.AA01355@sunspot.West.Sun.COM>
Subject: Re: Novice Round-Up

> Date: Thu, 19 Jan 95 09:00:10 CST
> From: msdooley@collie.aud.alcatel.com (Michael S. Dooley)
>
> > Date: Wed, 18 Jan 95 09:36:44 CST
> > From: msdooley@collie.aud.alcatel.com (Michael S. Dooley)
> > Mike wrote..
> >
> > HHHMmmmmmm. Wonder how hard it would be to take a 40-40 and put it on 6
meters?
> > Mike KE4PC
> >
> [snip]
> > From: jwp@chemical-eng.edinburgh.ac.uk
> > Date: Thu, 19 Jan 95 12:09:22 GMT
> > Jack wrote
> > And I've sometimes wondered what
> > you could do if you recrystalled a Radio Shack (Tandy in the UK) 49MHz FM
> > 'walki-talkie' and fed its 10mw to a 10 element yagi during a good lift.
> > (You could take the mike out and key it too!)
> > Hmmm....
> >
> > 72/3 de Jack gm0rwu
> >
> Hey! the Tandy 49Mhz HT... That is a good idea! I'll have to start watching
> for one at the flea markets.
> Mike KE4PC

I've had a look at two of the Tandy 49Mhz HTs, the TRC-505 and the TRC-503?. One
of
them is the crystal controlled one channel unit, the other is the five channel
synthesized unit. I got the service manuals for both of them from Tandy National
Parts.

The crystal controlled radio looks like a candidate for 6m modification. Custom
crystals would be required, and the radio is essentially an FM radio, I'm not
sure how chirpy the transmitted signal would be.

The PLL radio is less easy to tweak. Though one person posted a note to r.r.a.h
a while back suggesting it is easy to move the radio simply by changing the
PLL timebase rock (10.24MHz), it isn't really that easy if you expect to use
the receiver. The 10.24 Mhz rock is also used to provide the receiver 2nd

mixer injection; changing it will move the center of the IF passband away from the center of the 10.7MHz IF filter. Since a fairly broad ceramic filter is used there, the receiver may tolerate this pretty well, but....

The T/R switching in the two radios is essentially nil. The transmitter output feeds the antenna and the receive pre-amp at the same time. In fact, I recall the receive pre-amp (a common base NPN) depends on the transmitter output transformer winding for a DC bias path to ground. I guess you could hack it all up...

; -)

From owner-qrp-l@netcom.com Thu Jan 19 17:54:04 1995
Date: Thu, 19 Jan 1995 15:10:34 -0500 (EST)
From: "David Moody, KD8NY" <MOODY@Admin.Rose-Hulman.Edu>
Subject: Re: Novice Round-Up
Message-Id: <01HM19SKE0J2HTRWZC@ADMIN.Rose-Hulman.EDU>

IN%"jwp@chemical-eng.edinburgh.ac.uk" writes:

[...bandwidth saver invoked...]

>portion of the band for well under \$1. And I've sometimes wondered what
>you could do if you recrystalled a Radio Shack (Tandy in the UK) 49MHz FM
>'walki-talkie' and fed its 10mw to a 10 element yagi during a good lift.
>(You could take the mike out and key it too!)
>Hmmmm....
>
>72/3 de Jack gm0rwu

Actually, this works quite well. The cheapy 49MHz talkies are AM and usually have a super-regen receiver. The transmitter will in most cases tweak up frequency a couple of Mhz. The receiver just needs to be repeaked for the new frequency. This is a very cheap way of getting on 6 meter AM, and is much smaller and lighter than a Heath Sixer or Gonset. As for the FM units, this also works, but requires a bit more care, and you want to watch the deviation. It seems many of these units are either rather narrow, or a bit wide. It is a fun Saturday hack project though. Also, it doesn't take too much to build a small amp to tack on to the output to give you around 5 watts. I've also done the same kind of things with old 27Mhz 100mW AM talkies, and moved them to 10 meters. Only problem...not enough people on 10M AM.

Just my two milliwatts worth.

David A. Moody | E-mail: David.Moody@Rose-Hulman.edu
Admin. Programmer/Analyst | Finger: mgrdam@crux.Rose-Hulman.edu

Rose-Hulman Inst. of Tech. | Amateur Call: KD8NY (CW QRP) ex-WB9MMD
Terre Haute, IN USA 47803 | (VMS Rules!!! (but RSTS was fun.))
Wk Ph: 812.877.8183 |

Any facts expressed within belong to everybody.
Any opinions expressed within are my own and are not
necessarily the same as my employer, family, friends, etc.
It is up to you to know the difference.

From owner-qrp-l@netcom.com Thu Jan 19 04:34:29 1995
Message-Id: <9501182252.AA23557@garnet.inel.gov>
Date: Wed, 18 Jan 1995 15:53:51 -0700
From: LVE1@inel.gov (Larry East)
Subject: RE: Novice Roundup

How come all this sudden interest in the demise of the novice roundup? How many of you have ever participated in one? Not many, I bet! So what's all the fuss? (Yes, I have participated several times, but not as a novice since I got my ticket before the novice licence existed. So I'm an old fart -- wanta make someth' of it?)

72.9999986734742 (according to my Pentium... but close enough for government work!)

"Any opinions expressed herein are my own and probably do
not agree with those of my employer, the U.S. Government
or my spouse"

--... ..--

Larry V. East (W1HUE)
Idaho National Engineering Laboratory
e-mail: LVE1@inel.gov
voice: (208) 533-4005 fax: (208) 533-4207

From owner-qrp-l@netcom.com Thu Jan 19 16:25:30 1995
Date: Thu, 19 Jan 1995 10:37:58 -0500 (EST)
From: Bruce Robertson <brucero@epas.utoronto.ca>
Subject: pcb: single and double sided
Message-Id: <Pine.3.89.9501191019.E9225-0100000@blues.epas.utoronto.ca>

What are the relative merits of single and double sided pcb for construction? RF Design suggests that double sided is almost mandatory for medium power amp. stages, while elsewhere I've read (I believe) that one shouldn't use double sided for vfos. And (shame!) what are plated-through boards?

72, VE3UWL

Bruce G. Robertson Dept. of Classics, U. of T.

From owner-qrp-1@netcom.com Thu Jan 19 08:13:56 1995
From: David Adams <dave@flowserver.stem.com>
Message-Id: <9501182008.AA09995@flowserver.stem.com>
Date: Wed, 18 Jan 95 12:01:42 -0800
Subject: Pizza club?

So how'd the 2 guys fest go? I was intending to go, but my daughters spinal tumors decided to cause trouble so we ended up spending a few hours at the hospital.

Dave

From owner-qrp-1@netcom.com Thu Jan 19 22:17:25 1995
Date: Thu, 19 Jan 1995 17:49:22 -0800
From: dgf@netcom.com (David Feldman)
Message-Id: <199501200149.RAA26637@netcom14.netcom.com>
Subject: Power-Mite variations (Ten-Tec)

Earlier I'd posted question about the Power-Mite variations from Ten-Tec.
>From a Ten-Tec brochure (1970) sent me, they describe as follows:

PM1 - 80 & 40M, modules less case	\$49.95	(modules)
PM2 - Same as PM1, with case	\$54.95	(modules)
PM2A - Same as PM2, with sidetone	\$65.95	(???????????????)
PM2B - Same as PM2A, with 20M added	\$65.95	(single board)
PM3 - 40 & 20M	\$69.95	(modules)
PM3A - 40 & 20M, with "break-in"	\$79.95	(modules)

Does someone have a PM2A (80 & 40M only, with sidetone) that could tell me if it's a single-board design or has modules? Was the PM2B produced both as a module and single-board design (that is, does anyone have a PM2B with modules rather than a single PC board)?

Also, in every published picture I've seen of the Power Mites, the dial slide area on the front panel is white lettering on black background, while the PM's here (PM2B and PM3A) have black lettering on the same beige/white background as the rest of the front panel. Has anyone seen the white-on-black variation? Which model?

I'd sure be interested in photocopies or originals of Ten-Tec ads, product reviews, and other related info, including articles about modifying the radios (I do have the early 70's QRP reprints already). Unfortunately, I don't have my QST's, CQ's, HR's or 73's from that era anymore.

Thanks much! 73 Dave WB0GAZ dgf@netcom.com

From owner-qrp-l@netcom.com Thu Jan 19 05:17:10 1995
Date: Wed, 18 Jan 95 21:32:56 HST
From: jeffrey@math.hawaii.edu (Jeffrey Herman)
Message-Id: <9501190732.AA03882@kahuna.math.hawaii.edu>
Subject: QRP with tubes

I'm finding myself being drawn toward building a 1 or 2 tube
xmtr. I've got a source of 60's era circuits. I'm thinking of
just rectifying the AC line to get about 160VDC (with of course
all precautions followed! :-o). Many of these xmtrs run
8-10 Watts input so with about 160VDC on the plate the output
will be well within qrp.

Is anyone else in the group building tube rigs?

Jeff NH6IL

From owner-qrp-l@netcom.com Thu Jan 19 17:31:34 1995
Message-Id: <199501191722.LAA12688@ns1.arlut.utexas.edu>
Date: 19 Jan 1995 11:19:30 U
From: "rohre" <rohre@msmailgw1.arlut.utexas.edu>
Subject: RE: QRP with tubes

Oh gosh! I have to confess. There was an article in "Popular Electronics" I
think bout 1958 to '60 on the sandwich box transmitter. A single 6AQ5 crystal
oscillator for 80 or 40, Colpitts circuit if memory serves correctly. Keyed in
the cathode with a hand key, (What's a keyer, then?) K50NC K5JWK and a number
of others and I built and debugged several of these among our high schools ham
clubs in San Antonio. They were neat. Used a plastic box for chassis, like
the ones that you carried your lunch to school in. I guess a number of mothers
did not know why we all wanted to carry our lunch all of a sudden! I still
have some 6AQ5's set aside to replicate one of these one day. Also, perhaps,
the Heising modulator I made with a 6AQ5 for a Heath DX 20 for AM as 9M2SM.
Hope to hear more of what you plan to do, and good fun, good luck!

73 and 72,
Stuart K5KVH
rohre@arlut.utexas.edu

To: qrp-l@netcom.com
>From: Jeffrey Herman on Thu, Jan 19, 1995 5:25
Subject: QRP with tubes
RFC Header:Received: by msmailgw1.arlut.utexas.edu with SMTP;19 Jan 1995
05:24:46 U

Received: from mail.netcom.com (root@mail.netcom.com [192.100.81.99]) by ns1.arlut.utexas.edu (8.6.9/8.6.9) with ESMTP id FAA07567 for <rohre@arlut.utexas.edu>; Thu, 19 Jan 1995 05:24:15 -0600
Received: by mail.netcom.com (8.6.9/Netcom)
id XAA29939; Wed, 18 Jan 1995 23:32:18 -0800
Received: from kahuna.math.hawaii.edu by mail.netcom.com (8.6.9/Netcom)
id XAA29921; Wed, 18 Jan 1995 23:32:12 -0800
Received: by kahuna.math.hawaii.edu (4.1/kahuna-MX-1.4b)
id AA03882; Wed, 18 Jan 95 21:32:56 HST
Date: Wed, 18 Jan 95 21:32:56 HST
>From: jeffrey@math.hawaii.edu (Jeffrey Herman)
Message-Id: <9501190732.AA03882@kahuna.math.hawaii.edu>
To: qrp-l@netcom.com
Subject: QRP with tubes
Sender: owner-qrp-l@netcom.com
Precedence: list

I'm finding myself being drawn toward building a 1 or 2 tube xmtr. I've got a source of 60's era circuits. I'm thinking of just rectifying the AC line to get about 160VDC (with of course all precautions followed! :-o). Many of these xmtrs run 8-10 Watts input so with about 160VDC on the plate the output will be well within qrp.

Is anyone else in the group building tube rigs?

Jeff NH6IL

From owner-qrp-l@netcom.com Thu Jan 19 12:39:59 1995
From: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org (Mike Czuhajewski)
Subject: Re: QST! QST!
Date: Wed, 18 Jan 95 13:41:15 EST5EDT
Message-Id: <1995Jan18.134115.15632@wb3ffv.ampr.org>

And Jeff Gold, AC4HF, is somewhere in the same issue of QST, getting his QST award for having the best article in an issue in 1993.

--

Mike Czuhajewski, user of the UniBoard System @ wb3ffv.ampr.org
E-Mail: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org
The WB3FFV Amateur Radio BBS - Located in Baltimore, Maryland USA
Supporting the Amateur Radio Hobby, and TCP/IP InterNetworking

From owner-qrp-l@netcom.com Thu Jan 19 13:35:22 1995
From: JEVERHART@cayman.vf.ge.com
Date: Wed, 18 Jan 1995 22:56:29 -0500 (EST)
Message-Id: <950118225629.2202112e@cayman.vf.ge.com>

Subject: Re: RG-122 - Thanks

Thanks and a tip of the hat to Glen Stockton, K5UP, and Stuart, K5KVH, for responding to my query as to the characteristics of RG-122.

Glen wrote:

> In case you haven't already received a response regarding
> the RG122/U - it is listed in the belden catalog as very
> close to RG174 - bigger diameter and and bigger center
> conductor, but 50 ohm and 66% VP. It also goes by 9252 and
> M17/157 and has less attenuation than RG174. Db/100 ft at
> 10Mhz is 1.7 versus the RG-174's 3.3.

and Stuart responded:

> Joe,
> This is equivalent to Belden 9252, which is listed 50 ohms and 30.8 pf per
> ft. It is also 17.1 ohms per thousand feet. (Center) Shield 5.21 ohms per
> thousand.
> The shield coverage is 97% (Very good!) The velocity factor is 66 per cent.
> Loss is 1.7 db at 10 MHz for 100 ft. and only 4.5 dB at 50 MHz. (Where RG
174
> is 5.75 dB) It is supposed to be a black non contaminating jacket. Now I
> always caution people to look at the cable designation and make sure it
> references the Mil spec, as opposed to being "like RG-122/U" which may not
> come close to the real stuff.

Gee, this is just like 40 meters at night or 10 meters anytime - the 5's predominate! I really do appreciate the info becasue we just moved buildings at work last fall, and I haven't found all of my data books yet :-). for others who may want small, lightweight coax, with less loss than RG-174, keep your eyes open at surplus outlets, this RG-122 stuff looks like a winner.

72/73,

Joe E. N2CX

From owner-qrp-1@netcom.com Thu Jan 19 05:34:50 1995
Date: Thu, 19 Jan 1995 02:21:53 -0500
From: Bruce Walker <wt1m@iii.net>
Message-Id: <199501190721.CAA21465@iii.net>
Subject: Re: Sierra TX & AGC (fwd)

Well, my Sierra is solved, though not understood. I restored the AGC to its rightful design...got rid of my quick hack to drastically lower the time constant. I knew that AGC behavior was only a symptom of a bigger problem: the AGC getting so crunched during TX that it took so long to recover.

I did Wayne's suggestion of the TX feedthrough limiter from QRPP, but the symptom continued. My serendipity came from accidentally knocking the Sierra off the desk onto the floor. Ouch. Things seemed to work OK, and I successfully completed a couple of QSOs (to FL and AL) with great reports. However, I thought that before I went to bed, I might as well re-tweak the band module post-crash.

I re-peaked everything, and all of a sudden my problems were over: nice QSK and quick recovery. I did peak the PMO in a significantly different setting. Since I had just used an RF probe (and my ears once, listening to a constant signal) to peak the PMO last night, I suppose I could have peaked it on the wrong PMO frequency (but I haven't figured out how I could have been working stations in the band if that were so). Anyway, it's too late for my brain...I'll think about it tomorrow.

The "Sierra Problems: Q&A" article mentions an addendum, and I don't remember ever getting or seeing one. I substituted a 220K for R3 as the Q&A implied. If anyone has an electronic copy, please send me one.

--bruce WT1M

From owner-qrp-1@netcom.com Thu Jan 19 08:15:36 1995
Date: Wed, 18 Jan 1995 20:33:53 -0700
Message-Id: <199501190333.UAA23866@bud.indirect.com>
From: nystedt@indirect.com (John Nystedt)
Subject: Re: Sierra TX & AGC (fwd)

At 09:55 AM 1/18/95 -0800, Wayne Burdick wrote:
I will change the circuit in the next release of the Sierra.

Wayne,
Are you going to do another run of Sierra? Made a mistake by not ordering the last time around. Don't want to do that again.
Thanks
john KC7AKW

From owner-qrp-1@netcom.com Thu Jan 19 14:43:05 1995
From: "Doyle, Ron" <doyler@uh2297p01.daytonoh.NCR.COM>
Subject: SSB Fox Hunt

Date: Thu Jan 19 07:46 EST 1995
Message-Id: <2F1E5F49@sdcwinn.daytonoh.ncr.com>

Here in Dayton, OH. the band was not very lively on 40 meters. I didn't hear the fox but did make good contact with Gene, W3PM and AB4EL, Steve. I heard both of these guys make contacts with others but couldn't here the other end. Followed Steve to 7213.55, 3784 and 3906.3. 40 meters was real weird. I had a 59 copy on both at times and other times they would fade to non copyable. 80 was as busy as ever but Steve was in the noise. I could catch his callsign because I was listening for it but that was about all. At least I made contact with some Inetters which is better luck than I have had in the past.

I was using a knwd ts-430s with the mike gain turned down and talking softly to keep it under 5 watts. The antenna is a multiband dipole with the feed point about 20ft up and the ends are about 6 feet up.

Look forward to reading about other results.

72

Ron Doyle, N8VAR
AT&T GIS - Dayton
Work (513) 445-3179
Home (513) 237-0790
<Ronald.Doyle@DaytonOH.NCR.COM>

Practice Random Kindness and Senseless Acts of Beauty

From owner-qrp-1@netcom.com Thu Jan 19 02:13:41 1995
Date: Wed, 18 Jan 1995 20:56:33 -0700
Message-Id: <199501190356.UAA25975@bud.indirect.com>
From: nystedt@indirect.com (John Nystedt)
Subject: Re: SSB fox hunt tonight

At 09:56 AM 1/18/95, Jeff Gold wrote:

>I think it is the best deal on a Beginners kit going.. can't
>believe how relaxing it was to build and how high quality
>everything from parts to instructions were. Was talking to Dick
>from OH.. commented on the boards used.. think it was great silk
>screen with the solder mask.. parts were packaged well and the
>case looks great... can't wait to get it on the air.. thinking
>about doing a larger article on it geared for beginners.

Jeff,
>From the perspective of a "beginner" kit builder, I agree with your

assessment. Finished my Explorer last week and had the same comment in regard to the board and parts. However, I am going to send Dick a note on several construction problem points that a less experienced builder will face... none are all that big of a deal but might as well have them corrected. I would encourage you to do the article, and if I can help in any, send me a note.

John KC7AKW

From owner-qrp-1@netcom.com Thu Jan 19 02:22:24 1995
Subject: Re: SSB FOX HUNT: 16 Jan Wed EST
Date: Wed, 18 Jan 1995 20:10:32 -0800
From: Clark Savage Turner WA3JPG <turner@safety.ICS.UCI.EDU>
Message-Id: <9501182011.aa17373@paris.ics.uci.edu>

Well, I worked Rick right off the bat. Went looking on 40 shortly after 6 pm my time, and there he was "S5" and above for a lot of the time. Sounded really good, with sharp audio that cuts through the noise. Nice job, Rick.

Tried to find you on 75, no luck. The band was crowded down here, and quite long. Hope you snagged a few down there.

73
Clark
WA3JPG

From owner-qrp-1@netcom.com Thu Jan 19 14:46:24 1995
Date: Thu, 19 Jan 1995 10:14:01 -0700 (MST)
From: Rick Zabrodski <zabrodsk@med.ucalgary.ca>
Subject: ssb fox results
Message-Id: <Pine.SUN.3.91.950118200928.4009F-1000000@ume>

worked WA3JPG & K06KA easily on 40. Nothing heard (even locals) on 75 by the time I got there. Thats it!
Next time I use my voice keyer!

From owner-qrp-1@netcom.com Thu Jan 19 05:23:25 1995
From: ab4el@cybernetics.net (Stephen Modena)
Message-Id: <9501190737.AA26807@cybernetics.net>
Subject: SSB QRP Fox Hunt last night...not bad!
Date: Thu, 19 Jan 1995 02:37:52 -0500 (EST)

I didn't hear the SSB QRP FOX VE6GK...not on 40, not on 75. Oh, well.

On the other hand, it was interesting.

Started off with my Cary, NC neighbor:

02:15 7.228.5 MHz AD4ZE (44->57)/s (44->55)/r Warren

Marked difference in signal according to whether I listened on my vertical dipole or my inverted-V. That held up for others also.

Then I caught up with next week's fox:

02:24 7.229.1 MHz WB8ZJL (33->55)/s 33/r Paul in MI

Then as I called to attract hounds:

02:28 7.229.1 MHz KE4PC 44/s 22/r Mike in TX

Then Warren reminded me to move down band for the next segment! I would tune across the segment first on one antenna, then the other.

02:37 7.213.5 MHz N8VAR (55->57)/s 55/r Ron in Dayton, OH

And some repeats...so they were still hunting for VE6GK:

02:40 7.213.5 MHz KE4PC 44/s 22/r

02:42 7.213.5 MHz WB8ZJL 55/s 55/r

And then a loud one calling me:

02:46 7.213.5 MHz WB8E 57/sWalt is running 100 W

He turns it down...

02:47 7.213.5 MHz WB8E (33->55)/s 33 Walt running 4 W
N. of Detroit

BAND HOPPED ON SCHEDULE

I found my weekly sked freq free (as per usual)...much QRO up and down...big pileup in DX window. Then I hear a nice signal:

03:05 3.784 MHz NM1J 57/s (55->56)/r Scott Enfield, CT 5 W

Warren drops onto freq:

03:07 3.784 MHz AD4ZE 59/s 57/r

Warren and Scott try to work, but Warren doesn't seem to be making it to CT well tonight. I comment that Scott sounds like he has an ElectroLux mic...high-fi and hearing all the lows in his voice...not so good for noisy cndx...he switches to a D-107(?) and his signal drops out of sight...comes back when he goes back to original mike. Ah ha! :^)

Then I pull out another CT station:

03:12 3.784 MHz KC1FB 44/s 44/r severe QSB Jim

I tried to attract more hounds...no avail.

Segment hopped on the half hour...3905 CC Net going strong on 3.903.5 MHz...CA and OR stations moderate-to-loud...easy to hear east coast and mid-america stations. Found someone calling CQ:

03:31 3.906.3 MHz W0QBX 57/s 57/r but both of us are QSB

Turns out he is running 100 W to a Butternut. First QSO for him on 75. He's in Lee Summit, MO...and I tell him I know where it is 'cuz I got my degree at Mizzou. He's impressed with my 5 watts. Kind enough to leave me the freq. But didn't attract any hounds...and did not hear the FOX tuning back and forth, first on my inverted-V and then on the ground mounted 66 ft vertical wire.

All in all: a good night. Tnx guys!

--

73/Steve/AB4EL ab4el@Cybernetics.NET in Raleigh, NC 35.81245N, 78.65849W

From owner-qrp-l@netcom.com Thu Jan 19 20:24:19 1995
Message-Id: <199501191957.NAA16707@ns1.arlut.utexas.edu>
Date: 19 Jan 1995 13:53:29 U
From: "rohre" <rohre@msmailgw1.arlut.utexas.edu>
Subject: Ten Tec 6 meter Kit and others

Some dialog has started about the Ten Tec 6 meter Transverter I mentioned in a reply to a band translation question.

For those that may have missed the review on the List around Nov. (?) and the fact that Ten Tec has a rather complete catalog of kits, here is the phone to get a kit catalog. Ten Tec (615) 453-7172. NOTE: IT IS A DIFFERENT NUMBER FROM THEIR OTHERS.

The 6m kit is a transmit and receive translator, so any SSB or CW you transmit

on 20 Meters is converted to 6 Meters at the Ten Tec Antenna terminal. Likewise, you Receive 6 the same way, by converting down to 20. The transmit side should deliver 8 to 10 watts to your 6M antenna. You may have to attenuate a QRO rig to drive it; but I plan to use my Ten Tec Scout.

It sells for \$95, and not yet having built mine due to other projects in progress, I can only say the parts, board, and manual look very good.

The manual especially is first rate, maybe better than Heath at their Zenith, (No pun intended).

I would be interested in more comments if there are others in addition to the satisfied owner who posted earlier.

73 to all,
Stuart K5KVH
rohre@arlut.utexas.edu

From owner-qrp-1@netcom.com Thu Jan 19 12:17:02 1995
Date: Wed, 18 Jan 1995 21:25:23 -0700 (MST)
From: Richard Kendrick <rrk@ramp.com>
Subject: Re: Ten Tec Keyer Kit
Message-Id: <Pine.3.89.9501182117.A2760-0100000@taz.ramp.com>

On Wed, 18 Jan 1995, Randy Pelt wrote:

> By the way, I bought this keyer from Ten Tec and put it into my OHR
> classic. I don't like it at all. With the variable resistor specified for
> the speed control (10K) a very slight movement of the pot caused a large
> change in sending speed (from nothing to about 35 wpm when turning the pot
> about a quarter of an inch). I tried several other values for the pot from
> 5000 to 500K and still couldn't get the speed range linear.

Did you try a pot with a taper opposite from the one you were using? I had a similar problem with a varactor type vfo a few years ago. I used a linear taper pot and got a logarithmic frequency readout. Changing to an audio taper pot gave me linear frequency readout.

I noticed similar behavior in the voltage controlled oscillators I was playing with a long time ago. This was for electronic music applications. The Moog 901 and 921 voltage controlled oscillators used a linear change in voltage to get a logarithmic change in frequency. Whereas the PAIA vcosc used a logarithmic voltage change to get a linear change in frequency. I suppose it was partly the difference between a high end product and a low end product.

I haven't seen the Ten Tec keyer schematic so I don't know anything about

the clock circuit. I'd bet that a pot taper change might linearize the speed range.

Richard Kendrick CET WA7TWI	
Amateur Radio Extra Class	Do not adjust your mind, there is
QRP #4129/G-QRP #8591/MI-QRP #M-1412	a fault in reality.
Phoenix, AZ email: rrk@ramp.com	

From owner-qrp-l@netcom.com Thu Jan 19 18:21:00 1995
Message-Id: <9501192028.AA03861@garnet.inel.gov>
Date: Thu, 19 Jan 1995 13:29:23 -0700
From: LVE1@inel.gov (Larry East)
Subject: TenTec QRP Rig For Sale

Picked up the following from packet the other evening:

"For sale TenTec 535 (Argonaut II) -- all bands 160M thru 10M - solid five watts. Like new condition with factory box and manual plus a Ptramid (sic) 5 amp regulated power supply. \$850 including UPS"

Contact: Steve, AA1BK (Longwood, FL) 407-332-5723

Seems a little over-priced to me... maybe he'll negotiate.

"Any opinions expressed herein are my own and probably do not agree with those of my employer, the U.S. Government or my spouse"

--... ..--

Larry V. East

Idaho National Engineering Laboratory

Idaho Falls, ID

e-mail: LVE1@inel.gov

Packet: W1HUE@WT7B.ID.USA.NOAM

work: (208) 533-4005 home: (208) 529-2162

From owner-qrp-l@netcom.com Thu Jan 19 14:48:06 1995
Date: Thu, 19 Jan 95 08:32:15 CST
From: msdooley@collie.aud.alcatel.com (Michael S. Dooley)
Message-Id: <9501191432.AA12604@collie.aud.alcatel.com>
Subject: The Fox

Well, the only one I heard was AB4EL (Steve). He was a 22 to 33 and he gave me a 44 report. At one point I could hear someone in California in the noise, but it never got any better. What kind of antenna you runnin' out there in N.C. Steve?

Mike KE4PC

From owner-qrp-1@netcom.com Thu Jan 19 10:17:36 1995
From: weinfurtner@ouvaxa.cats.ohiou.edu
Date: Thu, 19 Jan 1995 08:33:13 EST
Message-Id: <0098AAFF.C37002E0.2@ouvaxa.cats.ohiou.edu>
Subject: RE:Tube QRP Rigs

Ohio University Electronic Communication

Date: 19-Jan-1995 08:31am EST

To: Remote Addressee (_MX%"qrp-1@netcom.com")

From: Gregory Weinfurtner Dept: Modern Languages
WEINFURTNER Tel No: 614-593-2747

Subject: RE:Tube QRP Rigs

Hello to all,

Jeff NH6IL wrote about building a tube QRP rig and asked if anyone had been doing this.

Over Christmas break, I put together a one-tuber from a circuit that I found in a '50's Novice and Technician Handbook. I subbed in a 6AQ5 for the 6DQ5(?) in the circuit. YES, I even built it on a piece of maple shelf board! 9" x 8". It was a keyed oscillator type circuit. Also I replaced the pill bottle tank circuit with a torroid. I did however use a power transformer to supply about 210 VDC to the plate. (You could use two filament transformers back to back to provide isolation from the line AC just to be on the safe side.) I have only one crystal 7.012 mhz.

Results were great! 4 watts output (RMS) with no noticable chirp or warble in signal. If my tuner isn't adjusted very well, it can have a lil chirp, but that's my fault for not taking time to look at the SWR meter!

QSO's as of 12/19/94

Stat. My RST His Location
EA7DPU 559 569 Seville, Spain
WA2WUH 599 599+ NJ, near Phil
N4ND 579 599 Richmond, VA
K2LVQ 579 589 NYC
KR4ER 559 599 Birmingham, AL
AA1DG 579 599 Sagamore MA
KR0Y 599 599 Hurst, TX
K8SJ 579 599 Youngstown, OH

VE3JSS 599 599 Ottawa

The first QSO was with a EA7 nr Seville Spain,... that really spoiled me for the first QSO! I've had other great QSO's stateside, notably N4ND, great op, and have lost my share of QSO's to noise, QRO ops etc. But, hey, that's life in the QRP lane!

I'd be glad to share any details about the rig if anyone is interested.

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*                               Greg Weinfurtner AEE BSS *
*      NN      N  SSSSSSS  8888888  0000000  Electronic Design Splst *
*      N N     N  S        8      8  0      0  Ohio University Athens *
*      N N     N  SSSSSSS  8888888  0      0  GO BOBCATS! *
*      N  N     N      S    8      8  0      0 *
*      N      NN  SSSSSSS  8888888  0000000  "When in trouble, When in *
*                               doubt, Run in circles, *
*                               Amateur Radio      Scream and shout." *
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Received: 19-Jan-1995 08:32am